


Substitute for form 1449A/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	
		Filing Date	
		First Named Inventor	Jeffrey K. Harman
		Art Unit	3673
		Examiner Name	John J. Kreck
Sheet 1	of 2	Attorney Docket Number	021605.0101N1US

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
✓		US-5,782,539	07-21-1988	Peterson	
		US- 5,033,795	07-23-1991	Farrar et al.	
		US- 4,952,000	08-28-1990	Lipinski et al.	
		US- 4,505,517	03-19-1985	Seddon et al.	
		US- 4,260,195	04-07-1981	Hart	
		US- 4,232,904	11-11-1980	Hurd	
✓		US- 4,017,122	04-12-1977	Simpson	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	8/22/09
-----------------------	---	--------------------	---------

*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number			
		Filing Date			
		First Named Inventor	Jeffrey K. Harman		
		Art Unit	3673		
		Examiner Name	John J. Kreck		
Sheet	2	of	2	Attorney Docket Number	021605.0101N1US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
a		JERRY TIEN, P.E., Longwall Caving in Thick Seams, Coal Age, April 1998, pp. 52-54.	
		J. RICHARD LUCAS, CHRISTOPHER HAYCOCKS, SME Mining Engineering Handbook, Volume 1, Section 12 - Underground Mining Systems and Equipment, 1973, pp. 12-2 thru 12-282.	
		EUGENE P. PFLEIDER, SME Mining Engineering Handbook, Volume 2, Section 19 - Planning and Designing for Mining Conservation, 1973, pp. 19-2 thru 19-23.	
		SYD S. PENG, Ph.D., Coal Mine Ground Control, Chapter 2 - Mine Layouts and Ground Control Practices in Underground Coal Mines, pp. 5-40.	
		JOHN L. SCHRODER, JR., Elements of Practical Coal Mining, Chapter 14 - Modern Mining Methods - Underground, 1973, pp. 348-376.	
		NICHOLAS P. CHIRONIS, COAL AGE Operating Handbook of Underground Mining, Vol. 1 - Coal Age Library of Operating Handbooks, 1977, pp. 1-103.	
		SKELLY AND LOY, Environmental Assessment of Surface Shortwall Mining, December 21, 1979, pp. 1-180 and attached Appendices.	
		ROBERT H. TRENT, WILLIAM HARRISON, Underground Mining Methods Handbook, Longwall Mining, 1982, pp. 790-849.	
		R. H. TRENT, KENNETH P. KATEN, Underground Mining Methods Handbook, Shortwall Mining, 1982, pp. 850-871.	

Examiner Signature		Date Considered	8/22/04
--------------------	---	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.